Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.

Finite difference method

Irrigation-Drainage Design and Management Model: Development, Luis A. Garcia, Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82.

Irrigation-Drainage Design and Management Model: Validation and Application, Henry B. Manguerra and Luis A. Garcia, IR Jan./Feb. 95, p83-94.

Finite element method

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Flood control

Comparison of Results from Alluvial Fan Design Methodology with Historic Data, Syndi J. Flippin and Richard H. French, IR Jan./Feb. 94, p195-210.

Flood plains

Comparison of Results from Alluvial Fan Design Methodology with Historic Data, Syndi J. Flippin and Richard H. French, IR Jan./Feb. 94, p195-210.

Flooding

Hydrological Aspects of Bridge Design: Case Study, A. Melih Yanmaz and Feridun Coşkun, IR Nov./Dec. 95, p411-418.

Flow

Broad-Crested Weir, Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26.

Subcritical Flow Over Rectangular Side Weir, Prabhata K. Swamee, Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217.

Flow control

Control Method for On-Demand Operation of Open Channel Flow, José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241.

Storm-Water Infiltration for Peak-Flow Control, Bruce K. Ferguson, IR Nov./Dec. 95, p463-466.

Flow measurement

Flow-Measurement Flumes of Rectangular Compound Cross Section, Mustafa Göğüs and Issam Al-Khatib, IR Mar./Apr. 95, p135-142.

General End-Depth–Discharge Relationship at Free Overfall in Trapezoidal Channel, Litsa Anastasiadou-Partheniou and Evangelos Hatzigiannakis, IR Mar./Apr. 95, p143-151.

Geometrically Simple Logarithmic Weir, K. Keshava Murthy, H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426.

Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Flow rates

Subcritical Flow Over Rectangular Side Weir, Prabhata K. Swamee, Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217.

Flow resistance

Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Flumes

Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Forecasting

Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Foundations

Termiticide Leachate from Building Foundation Drains, R. Lee Peyton, Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326.

Fresh water

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Friction factor

Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Functional analysis

Implications of Using Approximate Expressions for Well Function, Rajesh Srivastava, IR Nov./Dec. 95, p459-462.

Furrow irrigation

Defining the Furrow Cross Section, Joel E. Cahoon, IR Jan./Feb. 95, p114-119.

Geometry

Geometrically Simple Logarithmic Weir, K. Keshava Murthy, H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426.

Grasses

Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, S. K. Starrett, N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395.

Hourly Grass Evapotranspiration in Modified Maritime Environment, Samuel O. Ortega-Farias, Richard H. Cuenca and M. English, IR Nov./Dec. 95, p369-373.

Great Lakes

Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.

Green-Ampt model

Approximate Form of Green-Ampt Infiltration Equation, Jeffry J. Stone, Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137.

Ground water

Alfalfa Yield Response to Ground Water after Termination of Irrigation, K. L. Auckly and J. C. Guitjens, IR Sept./Oct. 95, p364-366.

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Seepage Erosion from Dam-Regulated Flow: Case of Glen Canyon Dam, Muniram Budhu and Roger Gobin, IR Jan./Feb. 95, p22-33.

Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Use of Pipelines to Improve Surface Irrigation in Hebei Province, China, Robert van Bentum, Ian K. Smout and Xu Zhen Ci, IR Nov./Dec. 95, p405-410.

Ground-water flow

Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.

Head, fluid mechanics

Alternative Design of Square-Rooting Measuring Device in Open Channel, K. Keshava Murthy and M. N. Shesha Prakash, IR Nov./Dec. 95, p374-377.

Head loss

Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Headwaters

New Approach to Design of Culverts, B. Dasika, IR May/June 95, p261-264.

Heavy metals

Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, Sandhya Rao and Shashi Mathur, IR Jan./Feb. 94, p89-96.

Humid areas

Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, Virgil L. Backlund, Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291.

Humidity

Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Hydraulic conductivity

Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Using Cavity Well to Determine Aquifer Thickness and Constants, Mohammad Saleem, IR May/June 94, p504-519.

Hydraulic structures

Broad-Crested Weir, Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26.

Hydraulics

Broad-Crested Weir, Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26.

General Formulation of Best Hydraulic Channel Section, Parviz Monadjemi, IR Jan./Feb. 94, p27-35.

Hydrographs

Hydrograph Shape and Border Irrigation Efficiency, A. A. Alazba and D. D. Fangmeier, IR Nov./Dec. 95, p452-457.

Hydrologic data

Sensitivity to Probable Maximum Flood, Ahlam I. Shalaby, IR Sept./Oct. 95, p327-337.

Hydrology

Assessment of Streamflow Augmentation in Case of Weakly Dependent Data, Arie Ben-Zvi and Margarita Langerman, IR Jan./Feb. 95, p104-108.

Criteria for Evaluation of Watershed Models, ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442.

Hydrological Aspects of Bridge Design: Case Study, A. Melih Yanmaz and Feridun Coşkun, IR Nov./Dec. 95, p411-418.

Water Management under Drought Conditions: Overview of Practices, Darrell G. Fontane and Donald K. Frevert, IR Mar./Apr. 95, p199-206.

Hydrostatic pressure

Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), R. D. Gupta, M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224.

Infiltration

Approximate Form of Green-Ampt Infiltration Equation, Jeffry J. Stone, Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137.

Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

Intake Parameters From Advance and Wetting Phases of Surface Irrigation, Edmar J. Scaloppi, Gary P. Merkley and Lyman S. Willardson, IR Jan./Feb. 95, p57-70.

Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Storm-Water Infiltration for Peak-Flow Control, Bruce K. Ferguson, IR Nov./Dec. 95, p463-466.

Infiltration rate

Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Inflow

Hydrograph Shape and Border Irrigation Efficiency, A. A. Alazba and D. D. Fangmeier, IR Nov./Dec. 95, p452-457.

Injection

Termiticide Leachate from Building Foundation Drains, R. Lee Peyton, Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326.

Intrusion

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.

Finite difference method

Irrigation-Drainage Design and Management Model: Development, Luis A. Garcia, Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82.

Irrigation-Drainage Design and Management Model: Validation and Application, Henry B. Manguerra and Luis A. Garcia, IR Jan./Feb. 95, p83-94.

Finite element method

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Flood control

Comparison of Results from Alluvial Fan Design Methodology with Historic Data, Syndi J. Flippin and Richard H. French, IR Jan./Feb. 94, p195-210.

Flood plains

Comparison of Results from Alluvial Fan Design Methodology with Historic Data, Syndi J. Flippin and Richard H. French, IR Jan./Feb. 94, p195-210.

Flooding

Hydrological Aspects of Bridge Design: Case Study, A. Melih Yanmaz and Feridun Coşkun, IR Nov./Dec. 95, p411-418.

Flow

Broad-Crested Weir, Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26.

Subcritical Flow Over Rectangular Side Weir, Prabhata K. Swamee, Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217.

Flow control

Control Method for On-Demand Operation of Open Channel Flow, José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241.

Storm-Water Infiltration for Peak-Flow Control, Bruce K. Ferguson, IR Nov./Dec. 95, p463-466.

Flow measurement

Flow-Measurement Flumes of Rectangular Compound Cross Section, Mustafa Göğüs and Issam Al-Khatib, IR Mar./Apr. 95, p135-142.

General End-Depth–Discharge Relationship at Free Overfall in Trapezoidal Channel, Litsa Anastasiadou-Partheniou and Evangelos Hatzigiannakis, IR Mar./Apr. 95, p143-151.

Geometrically Simple Logarithmic Weir, K. Keshava Murthy, H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426.

Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Flow rates

Subcritical Flow Over Rectangular Side Weir, Prabhata K. Swamee, Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217.

Flow resistance

Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Flumes

Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Forecasting

Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Foundations

Termiticide Leachate from Building Foundation Drains, R. Lee Peyton, Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326.

Fresh water

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Friction factor

Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Functional analysis

Implications of Using Approximate Expressions for Well Function, Rajesh Srivastava, IR Nov./Dec. 95, p459-462.

Furrow irrigation

Defining the Furrow Cross Section, Joel E. Cahoon, IR Jan./Feb. 95, p114-119.

Geometry

Geometrically Simple Logarithmic Weir, K. Keshava Murthy, H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426.

Grasses

Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, S. K. Starrett, N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395.

Hourly Grass Evapotranspiration in Modified Maritime Environment, Samuel O. Ortega-Farias, Richard H. Cuenca and M. English, IR Nov./Dec. 95, p369-373.

Great Lakes

Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.

Green-Ampt model

Approximate Form of Green-Ampt Infiltration Equation, Jeffry J. Stone, Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137.

Ground water

Alfalfa Yield Response to Ground Water after Termination of Irrigation, K. L. Auckly and J. C. Guitjens, IR Sept./Oct. 95, p364-366.

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Seepage Erosion from Dam-Regulated Flow: Case of Glen Canyon Dam, Muniram Budhu and Roger Gobin, IR Jan./Feb. 95, p22-33.

Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Use of Pipelines to Improve Surface Irrigation in Hebei Province, China, Robert van Bentum, Ian K. Smout and Xu Zhen Ci, IR Nov./Dec. 95, p405-410.

Ground-water flow

Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.

Head, fluid mechanics

Alternative Design of Square-Rooting Measuring Device in Open Channel, K. Keshava Murthy and M. N. Shesha Prakash, IR Nov./Dec. 95, p374-377.

Head loss

Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Headwaters

New Approach to Design of Culverts, B. Dasika, IR May/June 95, p261-264.

Heavy metals

Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, Sandhya Rao and Shashi Mathur, IR Jan./Feb. 94, p89-96.

Humid areas

Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, Virgil L. Backlund, Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291.

Humidity

Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Hydraulic conductivity

Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Using Cavity Well to Determine Aquifer Thickness and Constants, Mohammad Saleem, IR May/June 94, p504-519.

Hydraulic structures

Broad-Crested Weir, Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26.

Hydraulics

Broad-Crested Weir, Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26.

General Formulation of Best Hydraulic Channel Section, Parviz Monadjemi, IR Jan./Feb. 94, p27-35.

Hydrographs

Hydrograph Shape and Border Irrigation Efficiency, A. A. Alazba and D. D. Fangmeier, IR Nov./Dec. 95, p452-457.

Hydrologic data

Sensitivity to Probable Maximum Flood, Ahlam I. Shalaby, IR Sept./Oct. 95, p327-337.

Hydrology

Assessment of Streamflow Augmentation in Case of Weakly Dependent Data, Arie Ben-Zvi and Margarita Langerman, IR Jan./Feb. 95, p104-108.

Criteria for Evaluation of Watershed Models, ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442.

Hydrological Aspects of Bridge Design: Case Study, A. Melih Yanmaz and Feridun Coşkun, IR Nov./Dec. 95, p411-418.

Water Management under Drought Conditions: Overview of Practices, Darrell G. Fontane and Donald K. Frevert, IR Mar./Apr. 95, p199-206.

Hydrostatic pressure

Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), R. D. Gupta, M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224.

Infiltration

Approximate Form of Green-Ampt Infiltration Equation, Jeffry J. Stone, Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137.

Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

Intake Parameters From Advance and Wetting Phases of Surface Irrigation, Edmar J. Scaloppi, Gary P. Merkley and Lyman S. Willardson, IR Jan./Feb. 95, p57-70.

Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Storm-Water Infiltration for Peak-Flow Control, Bruce K. Ferguson, IR Nov./Dec. 95, p463-466.

Infiltration rate

Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Inflow

Hydrograph Shape and Border Irrigation Efficiency, A. A. Alazba and D. D. Fangmeier, IR Nov./Dec. 95, p452-457.

Injection

Termiticide Leachate from Building Foundation Drains, R. Lee Peyton, Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326.

Intrusion

Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Irrigation

Alfalfa Yield Response to Ground Water after Termination of Irrigation, K. L. Auckly and J. C. Guitjens, IR Sept./Oct. 95, p364-366.

Control Method for On-Demand Operation of Open Channel Flow, José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241.

Downstream Control of Multireach Canal Systems, Fubo Liu, Jean Berlamont and Jan Feyen, IR Mar./Apr. 95, p179-190.

Irrigation Land Management Model, Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942.

Irrigation-Drainage Design and Management Model: Development, Luis A. Garcia, Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82.

Irrigation-Drainage Design and Management Model: Validation and Application, Henry B. Manguerra and Luis A. Garcia, IR Jan./Feb. 95, p83-94.

Modeling Deficit Irrigation in Alfalfa Production, Gokmen Tayfur, Kenneth K. Tanji, Brett House, Frank Robinson, Larry Teuber and Gordon Kruse, IR Nov./Dec. 95, p442-451.

Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Use of Pipelines to Improve Surface Irrigation in Hebei Province, China, Robert van Bentum, Ian K. Smout and Xu Zhen Ci, IR Nov./Dec. 95, p405-410.

Irrigation efficiency

Irrigation Land Management Model, Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942.

Irrigation practices

Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, S. K. Starrett, N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395.

Irrigation scheduling

Automatic Irrigation Scheduling System (AISSUM): Principles and Applications, Bhawan Singh, Jean Boivin, Glenn Kirkpatrick and Barry Hum, IR Jan./Feb. 95, p43-56.

Hourly Grass Evapotranspiration in Modified Maritime Environment, Samuel O. Ortega-Farias, Richard H. Cuenca and M. English, IR Nov./Dec. 95, p369-373.

Irrigation systems

Irrigation Land Management Model, Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942.

Irrigation water

Evapotranspiration and Irrigation Water Requirements, M. E. Jensen, ed., R. D. Burman, ed. and R. G. Allen, ed., 360pp.

Hourly Grass Evapotranspiration in Modified Maritime Environment, Samuel O. Ortega-Farias, Richard H. Cuenca and M. English, IR Nov./Dec. 95, p369-373.

Laboratory tests

Compaction and Water Velocity Effects on Soil Erosion in Shallow Flow, David B. Parker, Thomas G. Michel and James L. Smith, IR Mar./Apr. 95, p170-178.

Flow-Measurement Flumes of Rectangular Compound Cross Section, Mustafa Göğüs and Issam Al-Khatib, IR Mar./Apr. 95, p135-142.

Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.

Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Lagrange's equations

General Formulation of Best Hydraulic Channel Section, Parviz Monadjemi, IR Jan./Feb. 94, p27-35.

Leaching

Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, S. K. Starrett, N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395.

Subsurface Drainage Water Quality from Structured Soil, Gil Shalit, Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247.

Termiticide Leachate from Building Foundation Drains, R. Lee Peyton, Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326.

Least squares method

Estimation of Unit Hydrograph by Ridge Least-Squares Method, Bing Zhao, Yeou-Koung Tung and Jinn-Chuang Yang, IR May/June 95, p253-259.

Management

Irrigation Land Management Model, Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942.

Mathematics

Using Cavity Well to Determine Aquifer Thickness and Constants, Mohammad Saleem, IR May/June 94, p504-519.

Maximum probable flood

Sensitivity to Probable Maximum Flood, Ahlam I. Shalaby, IR Sept./Oct. 95, p327-337.

Measurement

Characterization of Rainfall under Center Pivot: Influence of Measuring Procedure, Bernard Bremond and Bruno Molle, IR Sept./Oct. 95, p347-353.

Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Evaluation of Evaporation-Pan Networks, David A. Chin and Sifang Zhao, IR Sept./Oct. 95, p338-346.

Measuring instruments

General End-Depth–Discharge Relationship at Free Overfall in Trapezoidal Channel, Litsa Anastasiadou-Partheniou and Evangelos Hatzigiannakis, IR Mar./Apr. 95, p143-151.

Meteorological data

Sensitivity to Probable Maximum Flood, Ahlam I. Shalaby, IR Sept./Oct. 95, p327-337.

Methodology

Comparison of Methods for Estimating REF-ET, D. M. Amatya, R. W. Skaggs and J. D. Gregory, IR Nov./Dec. 95, p427-435.

Mississippi

Agricultural Drainage and Water Quality in Mississippi Delta, Richard L. Bengtson, Cade E. Carter, James L. Fouss, Lloyd M. Southwick and Guye H. Willis, IR July/Aug. 95, p292-295.

Model verification

Irrigation-Drainage Design and Management Model: Validation and Application, Henry B. Manguerra and Luis A. Garcia, IR Jan./Feb. 95, p83-94.

Modeling

Effects of Climatic Change in Wabash River Basin, A. Ramachandra Rao and A. Al-Wagdany, IR Mar./Apr. 95, p207-215.

Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Field Evaluation of Aquifer-Recharge Model, Yiming Li and Shu-Tung Chu, IR Nov./Dec. 95, p385-389.

Modeling Deficit Irrigation in Alfalfa Production, Gokmen Tayfur, Kenneth K. Tanji, Brett House, Frank Robinson, Larry Teuber and Gordon Kruse, IR Nov./Dec. 95, p442-451.

Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, Sandhya Rao and Shashi Mathur, IR Jan./Feb. 94, p89-96.

Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Models

Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

Criteria for Evaluation of Watershed Models, ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442.

Defining the Furrow Cross Section, Joel E. Cahoon, IR Jan./Feb. 95, p114-119.

Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Irrigation-Drainage Design and Management Model: Development, Luis A. Garcia, Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82.

Motion

Simulating Water-Drop Movement from Noncircular Sprinkler Nozzles, Jiusheng Li and Hiroshi Kawano, IR Mar./Apr. 95, p152-158.

Networks

Evaluation of Evaporation-Pan Networks, David A. Chin and Sifang Zhao, IR Sept./Oct. 95, p338-346.

Nitrogen

Agricultural Drainage Effects on Water Quality in Southeastern U.S. Daniel L. Thomas, Calvin D. Perry, Robert O. Evans, Forrest T. Izuno, Kenneth C. Stone and J. Wendell Gilliam, IR July/Aug. 95, p277-282.

Controlled Versus Conventional Drainage Effects on Water Quality, Robert O. Evans, R. Wayne Skaggs and J. Wendell Gilliam, IR July/Aug. 95, p271-276.

Drainage and Water Quality in Northeastern United States and Eastern Canada, W. F. Ritter, R. P. Rudra, P. H. Milburn and S. Prasher, IR July/Aug. 95, p296-301.

Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, S. K. Starrett, N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395.

Noise

Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Nonpoint pollution

Agricultural Drainage Effects on Water Quality in Southeastern U.S. Daniel L. Thomas, Calvin D. Perry, Robert O. Evans, Forrest T. Izuno, Kenneth C. Stone and J. Wendell Gilliam, IR July/Aug. 95, p277-282.

Controlled Versus Conventional Drainage Effects on Water Quality, Robert O. Evans, R. Wayne Skaggs and J. Wendell Gilliam, IR July/Aug. 95, p271-276.

Editorial Special Section, IR July/Aug. 95, p269-270.

Notches

Alternative Design of Square-Rooting Measuring Device in Open Channel, K. Keshava Murthy and M. N. Shesha Prakash, IR Nov./Dec. 95, p374-377.

Nuclear methods

Field-Scale Neutron Probe Calibration and Variance Analysis for Clay Soil, M. E. Grismer, K. M. Bali and F. E. Robinson, IR Sept./Oct. 95, p354-362.

Numerical analysis

Field Evaluation of Aquifer-Recharge Model, Yiming Li and Shu-Tung Chu, IR Nov./Dec. 95, p385-389.

Nutrients

Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.

Effect of Agricultural Drainage on Water Quality in Mid-Atlantic States, A. Shirmohammadi, R. D. Wenberg, W. F. Ritter and F. S. Wright, IR July/Aug. 95, p302-306.

Observation wells

Using Cavity Well to Determine Aquifer Thickness and Constants, Mohammad Saleem, IR May/June 94, p504-519.

Open channels

Control Method for On-Demand Operation of Open Channel Flow, José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241.

Flow-Measurement Flumes of Rectangular Compound Cross Section, Mustafa Göğüs and Issam Al-Khatib, IR Mar./Apr. 95, p135-142.

Optimization
Alternative Design of Square-Rooting Measuring Device in Open Channel, K. Keshava Murthy and M. N. Shesha Prakash, IR Nov./Dec. 95, p374-377.
Automatic Irrigation Scheduling System (AISSUM): Principles and Applications, Bhawan Singh, Jean Boivin, Glenn Kirkpatrick and Barry Hum, IR Jan./Feb. 95, p43-56.
Optimal Irrigation Canal Sections, Prabhata K. Swamee, IR Nov./Dec. 95, p467-469.
Sensitivity to Probable Maximum Flood, Ahlam I. Shalaby, IR Sept./Oct. 95, p327-337.

Optimization models
Use of Flood-Control Reservoirs for Drought Management, Tiao J. Chang, Xenia A. Kleopa and Choo B. Teoh, IR Jan./Feb. 95, p34-42.

Overflow
Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), R. D. Gupta, M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224.
General End-Depth–Discharge Relationship at Free Overfall in Trapezoidal Channel, Litsa Anastasiadou-Partheniou and Evangelos Hatzigiannakis, IR Mar./Apr. 95, p143-151.

Overland flow
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, Tammo S. Steenhuis, Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238.

Parameters
Pumping-Test Analysis of Wells Having Storage Contribution, Prabhata K. Swamee and Chandra Shekhar P. Ojha, IR May/June 95, p265-267.

Peak flow
Storm-Water Infiltration for Peak-Flow Control, Bruce K. Ferguson, IR Nov./Dec. 95, p463-466.

Percolation
Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Performance evaluation
Criteria for Evaluation of Watershed Models, ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442.

Pesticides
Aldicarb Transport in Drained Coastal Plain Soil, C. L. Munster, R. W. Skaggs, J. E. Parsons, R. O. Evans, J. W. Gilliam and E. W. Harmsen, IR Nov./Dec. 95, p378-384.
Drainage and Water Quality in Northeastern United States and Eastern Canada, W. F. Ritter, R. P. Rudra, P. H. Milburn and S. Prasher, IR July/Aug. 95, p296-301.
Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, Virgil L. Backlund, Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291.
Effect of Agricultural Drainage on Water Quality in Mid-Atlantic States, A. Shirmohammadi, R. D. Wenberg, W. F. Ritter and F. S. Wright, IR July/Aug. 95, p302-306.
Termiticide Leachate from Building Foundation Drains, R. Lee Peyton, Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326.

Phosphorus
Agricultural Drainage Effects on Water Quality in Southeastern U.S. Daniel L. Thomas, Calvin D. Perry, Robert O. Evans, Forrest T. Izuno, Kenneth C. Stone and J. Wendell Gilliam, IR July/Aug. 95, p277-282.
Controlled Versus Conventional Drainage Effects on Water Quality, Robert O. Evans, R. Wayne Skaggs and J. Wendell Gilliam, IR July/Aug. 95, p271-276.

Plastic pipes
Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.

Pollutants
Subsurface Drainage Water Quality from Structured Soil, Gil Shalit, Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247.

Ponds
Analytical Solutions of Seepage Into Ditches From Ponded Fields, Gautam Barua and K. N. Tiwari, IR Nov./Dec. 95, p396-404.

Precipitation
Effects of Climatic Change in Wabash River Basin, A. Ramachandra Rao and A. Al-Wagdany, IR Mar./Apr. 95, p207-215.
Long-Duration–Rainfall Intensity Equations, David C. Froehlich, IR May/June 95, p248-252.

Probes, instruments
Field-Scale Neutron Probe Calibration and Variance Analysis for Clay Soil, M. E. Grismer, K. M. Bali and F. E. Robinson, IR Sept./Oct. 95, p354-362.

Procedures
Characterization of Rainfall under Center Pivot: Influence of Measuring Procedure, Bernard Bremond and Bruno Molle, IR Sept./Oct. 95, p347-353.

Pumping tests, wells
Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.
Implications of Using Approximate Expressions for Well Function, Rajesh Srivastava, IR Nov./Dec. 95, p459-462.
Pumping-Test Analysis of Wells Having Storage Contribution, Prabhata K. Swamee and Chandra Shekhar P. Ojha, IR May/June 95, p265-267.

Radiation
Comparison of Methods for Estimating REF-ET, D. M. Amatya, R. W. Skaggs and J. D. Gregory, IR Nov./Dec. 95, p427-435.

Railroads
Comparison of Results from Alluvial Fan Design Methodology with Historic Data, Syndi J. Flippin and Richard H. French, IR Jan./Feb. 94, p195-210.

Rainfall
Characterization of Rainfall under Center Pivot: Influence of Measuring Procedure, Bernard Bremond and Bruno Molle, IR Sept./Oct. 95, p347-353.

Rainfall duration
Long-Duration–Rainfall Intensity Equations, David C. Froehlich, IR May/June 95, p248-252.
Short-Duration-Rainfall Intensity Equations for Drainage Design, David C. Froehlich, IR Sept./Oct. 93, p814-828.

Rainfall intensity
Long-Duration–Rainfall Intensity Equations, David C. Froehlich, IR May/June 95, p248-252.
Short-Duration-Rainfall Intensity Equations for Drainage Design, David C. Froehlich, IR Sept./Oct. 93, p814-828.

Rainfall-runoff relationships
Estimation of Unit Hydrograph by Ridge Least-Squares Method, Bing Zhao, Yeou-Koung Tung and Jinn-Chuang Yang, IR May/June 95, p253-259.

Reservoir management
Water Management under Drought Conditions: Overview of Practices, Darrell G. Fontane and Donald K. Frevert, IR Mar./Apr. 95, p199-206.

Reservoir operation
Use of Flood-Control Reservoirs for Drought Management, Tiao J. Chang, Xenia A. Kleopa and Choo B. Teoh, IR Jan./Feb. 95, p34-42.

Reservoirs
Use of Flood-Control Reservoirs for Drought Management, Tiao J. Chang, Xenia A. Kleopa and Choo B. Teoh, IR Jan./Feb. 95, p34-42.

Retention
Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

River basins
Effects of Climatic Change in Wabash River Basin, A. Ramachandra Rao and A. Al-Wagdany, IR Mar./Apr. 95, p207-215.

Runoff
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, Tammo S. Steenhuis, Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238.

Runoff forecasting
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, Tammo S. Steenhuis, Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238.

Saline ground water
Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Salinity
Modeling Deficit Irrigation in Alfalfa Production, Gokmen Tayfur, Kenneth K. Tanji, Brett House, Frank Robinson, Larry Teuber and Gordon Kruse, IR Nov./Dec. 95, p442-451.

Salt balance
Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Salts
Irrigation-Drainage Design and Management Model: Development, Luis A. Garcia, Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82.
Irrigation-Drainage Design and Management Model: Validation and Application, Henry B. Manguerra and Luis A. Garcia, IR Jan./Feb. 95, p83-94.
Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Sandbars
Seepage Erosion from Dam-Regulated Flow: Case of Glen Canyon Dam, Muniram Budhu and Roger Gobin, IR Jan./Feb. 95, p22-33.

Scour
Hydrological Aspects of Bridge Design: Case Study, A. Melih Yanmaz and Feridun Coşkun, IR Nov./Dec. 95, p411-418.

Sea water
Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Sediment
Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.
Effect of Agricultural Drainage on Water Quality in Mid-Atlantic States, A. Shirmohammadi, R. D. Wenberg, W. F. Ritter and F. S. Wright, IR July/Aug. 95, p302-306.

Sediment control
Design for Tunnel-Type Sediment Excluder, U. C. Kothyari, P. K. Pande and A. K. Gahlot, IR Jan./Feb. 94, p36-47.

Sediment transport
Design for Tunnel-Type Sediment Excluder, U. C. Kothyari, P. K. Pande and A. K. Gahlot, IR Jan./Feb. 94, p36-47.

Seepage
Analytical Solutions of Seepage Into Ditches From Ponded Fields, Gautam Barua and K. N. Tiwari, IR Nov./Dec. 95, p396-404.
Seepage Erosion from Dam-Regulated Flow: Case of Glen Canyon Dam, Muniram Budhu and Roger Gobin, IR Jan./Feb. 95, p22-33.

Sensitivity analysis
Geometrically Simple Logarithmic Weir, K. Keshava Murthy, H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426.
Sensitivity to Probable Maximum Flood, Ahlam I. Shalaby, IR Sept./Oct. 95, p327-337.

Settlement analysis
Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Shallow water
Compaction and Water Velocity Effects on Soil Erosion in Shallow Flow, David B. Parker, Thomas G. Michel and James L. Smith, IR Mar./Apr. 95, p170-178.

Shallow Ground-Water Influence on Salt Budgets for Newlands Project, E. P. Chambers and J. C. Guitjens, IR Nov./Dec. 95, p436-441.

Shape
Defining the Furrow Cross Section, Joel E. Cahoon, IR Jan./Feb. 95, p114-119.

Hydrograph Shape and Border Irrigation Efficiency, A. A. Alazba and D. D. Fangmeier, IR Nov./Dec. 95, p452-457.

Silty soils
Compaction and Water Velocity Effects on Soil Erosion in Shallow Flow, David B. Parker, Thomas G. Michel and James L. Smith, IR Mar./Apr. 95, p170-178.

Simulation
Characterization of Rainfall under Center Pivot: Influence of Measuring Procedure, Bernard Bremond and Bruno Molle, IR Sept./Oct. 95, p347-353.

Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Simulating Water-Drop Movement from Noncircular Sprinkler Nozzles, Jiusheng Li and Hiroshi Kawano, IR Mar./Apr. 95, p152-158.

Slopes
New Approach to Design of Culverts, B. Dasika, IR May/June 95, p261-264.

Soil erosion
Compaction and Water Velocity Effects on Soil Erosion in Shallow Flow, David B. Parker, Thomas G. Michel and James L. Smith, IR Mar./Apr. 95, p170-178.

Soil porosity
Estimating Hydraulic Conductivity for Models of Soils with Macropores, Mahmood H. Nachabe, IR Jan./Feb. 95, p95-102.

Soil water
Brooks-Corey and van Genuchten Soil-Water-Retention Models, J. M. Stankovich and D. A. Lockington, IR Jan./Feb. 95, p1-7.

Field-Scale Neutron Probe Calibration and Variance Analysis for Clay Soil, M. E. Grismer, K. M. Bali and F. E. Robinson, IR Sept./Oct. 95, p354-362.

Soils, saturated
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, Tammo S. Steenhuis, Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238.

Solutes
Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, Sandhya Rao and Shashi Mathur, IR Jan./Feb. 94, p89-96.

Specific energy
Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), R. D. Gupta, M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224.

Sprinklers
Simulating Water-Drop Movement from Noncircular Sprinkler Nozzles, Jiusheng Li and Hiroshi Kawano, IR Mar./Apr. 95, p152-158.

State-of-the-art reviews
Agricultural Drainage Effects on Water Quality in Southeastern U.S. Daniel L. Thomas, Calvin D. Perry, Robert O. Evans, Forrest T. Izuno, Kenneth C. Stone and J. Wendell Gilliam, IR July/Aug. 95, p277-282.

Statistical analysis
Criteria for Evaluation of Watershed Models, ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442.

Steady state
Analytical Solutions of Seepage Into Ditches From Ponded Fields, Gautam Barua and K. N. Tiwari, IR Nov./Dec. 95, p396-404.

Stochastic processes
Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Storage
Pumping-Test Analysis of Wells Having Storage Contribution, Prabhata K. Swamee and Chandra Shekhar P. Ojha, IR May/June 95, p265-267.

Storage coefficient
Using Cavity Well to Determine Aquifer Thickness and Constants, Mohammad Saleem, IR May/June 94, p504-519.

Stormwater
Storm-Water Infiltration for Peak-Flow Control, Bruce K. Ferguson, IR Nov./Dec. 95, p463-466.

Streamflow
Assessment of Streamflow Augmentation in Case of Weakly Dependent Data, Arie Ben-Zvi and Margarita Langerman, IR Jan./Feb. 95, p104-108.

Subirrigation
Aldicarb Transport in Drained Coastal Plain Soil, C. L. Munster, R. W. Skaggs, J. E. Parsons, R. O. Evans, J. W. Gilliam and E. W. Harmsen, IR Nov./Dec. 95, p378-384.

Submerging
Settlement and Submergence Adjustments for Parshall Flume, Steven R. Abt, C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321.

Subsurface drainage
Agricultural Drainage and Water Quality in Mississippi Delta, Richard L. Bengtson, Cade E. Carter, James L. Fouss, Lloyd M. Southwick and Guye H. Willis, IR July/Aug. 95, p292-295.

Aldicarb Transport in Drained Coastal Plain Soil, C. L. Munster, R. W. Skaggs, J. E. Parsons, R. O. Evans, J. W. Gilliam and E. W. Harmsen, IR Nov./Dec. 95, p378-384.

Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.

Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, Virgil L. Backlund, Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291.

Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Surface drainage
Controlled Versus Conventional Drainage Effects on Water Quality, Robert O. Evans, R. Wayne Skaggs and J. Wendell Gilliam, IR July/Aug. 95, p271-276.

Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, Virgil L. Backlund, Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291.

Effect of Agricultural Drainage on Water Quality in Mid-Atlantic States, A. Shirmohammadi, R. D. Wenberg, W. F. Ritter and F. S. Wright, IR July/Aug. 95, p302-306.

Surface irrigation
Defining the Furrow Cross Section, Joel E. Cahoon, IR Jan./Feb. 95, p114-119.

Hydrograph Shape and Border Irrigation Efficiency, A. A. Alazba and D. D. Fangmeier, IR Nov./Dec. 95, p452-457.

Intake Parameters From Advance and Wetting Phases of Surface Irrigation, Edmar J. Scaloppi, Gary P. Merkley and Lyman S. Willardson, IR Jan./Feb. 95, p57-70.

Use of Pipelines to Improve Surface Irrigation in Hebei Province, China, Robert van Bentum, Ian K. Smout and Xu Zhen Ci, IR Nov./Dec. 95, p405-410.

Surface runoff
Agricultural Drainage and Water Quality in Mississippi Delta, Richard L. Bengtson, Cade E. Carter, James L. Fouss, Lloyd M. Southwick and Guye H. Willis, IR July/Aug. 95, p292-295.

Aldicarb Transport in Drained Coastal Plain Soil, C. L. Munster, R. W. Skaggs, J. E. Parsons, R. O. Evans, J. W. Gilliam and E. W. Harmsen, IR Nov./Dec. 95, p378-384.

Effects of Climatic Change in Wabash River Basin, A. Ramachandra Rao and A. Al-Wagdany, IR Mar./Apr. 95, p207-215.

Modeling Subsurface Drainage and Surface Runoff with WEPP, M. R. Savabi, IR Sept./Oct. 93, p801-813.

Surface waters
Effect of Surface Source Variation on Seawater Intrusion in Aquifers, A. Mahesha and S. H. Nagaraja, IR Jan./Feb. 95, p109-113.

Tailwater
New Approach to Design of Culverts, B. Dasika, IR May/June 95, p261-264.

Taylor series
Approximate Form of Green-Ampt Infiltration Equation, Jeffry J. Stone, Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137.

Temperature
Comparison of Methods for Estimating REF-ET, D. M. Amatya, R. W. Skaggs and J. D. Gregory, IR Nov./Dec. 95, p427-435.

Effects of Climatic Change in Wabash River Basin, A. Ramachandra Rao and A. Al-Wagdany, IR Mar./Apr. 95, p207-215.

Tests
Subsurface Drainage Water Quality from Structured Soil, Gil Shalit, Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247.

Thickness
Using Cavity Well to Determine Aquifer Thickness and Constants, Mohammad Saleem, IR May/June 94, p504-519.

Time series analysis
Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Tracers
Subsurface Drainage Water Quality from Structured Soil, Gil Shalit, Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247.

Transfer functions
Evapotranspiration Transfer-Function-Noise Modeling, Tahir Hameed, Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169.

Transport phenomena
Aldicarb Transport in Drained Coastal Plain Soil, C. L. Munster, R. W. Skaggs, J. E. Parsons, R. O. Evans, J. W. Gilliam and E. W. Harmsen, IR Nov./Dec. 95, p378-384.

Irrigation-Drainage Design and Management Model: Development, Luis A. Garcia, Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82.

Irrigation-Drainage Design and Management Model: Validation and Application, Henry B. Manguerra and Luis A. Garcia, IR Jan./Feb. 95, p83-94.

Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, Sandhya Rao and Shashi Mathur, IR Jan./Feb. 94, p89-96.

Subsurface Drainage Water Quality from Structured Soil, Gil Shalit, Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247.

Trapezoidal channels
General End-Depth–Discharge Relationship at Free Overfall in Trapezoidal Channel, Litsa Anastasiadou-Partheniou and Evangelos Hatzigiannakis, IR Mar./Apr. 95, p143-151.
General Formulation of Best Hydraulic Channel Section, Parviz Monadjemi, IR Jan./Feb. 94, p27-35.

Tunnels
Design for Tunnel-Type Sediment Excluder, U. C. Kothyari, P. K. Pande and A. K. Gahlot, IR Jan./Feb. 94, p36-47.

Turf grasses
Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, S. K. Starrett, N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395.

Uniform flow
Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, V. Bagarello, V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316.
Optimal Irrigation Canal Sections, Prabhata K. Swamee, IR Nov./Dec. 95, p467-469.

Unit hydrographs
Estimation of Unit Hydrograph by Ridge Least-Squares Method, Bing Zhao, Yeou-Koung Tung and Jinn-Chuang Yang, IR May/June 95, p253-259.

United States
Editorial Special Section, IR July/Aug. 95, p269-270.

Unsteady flow
Downstream Control of Multireach Canal Systems, Fubo Liu, Jean Berlamont and Jan Feyen, IR Mar./Apr. 95, p179-190.

Validation
Estimation of Unit Hydrograph by Ridge Least-Squares Method, Bing Zhao, Yeou-Koung Tung and Jinn-Chuang Yang, IR May/June 95, p253-259.

Vapor pressure
Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Variance analysis
Field-Scale Neutron Probe Calibration and Variance Analysis for Clay Soil, M. E. Grismer, K. M. Bali and F. E. Robinson, IR Sept./Oct. 95, p354-362.

Velocity
Compaction and Water Velocity Effects on Soil Erosion in Shallow Flow, David B. Parker, Thomas G. Michel and James L. Smith, IR Mar./Apr. 95, p170-178.

Volume measure
Assessment of Streamflow Augmentation in Case of Weakly Dependent Data, Arie Ben-Zvi and Margarita Langerman, IR Jan./Feb. 95, p104-108.
Intake Parameters From Advance and Wetting Phases of Surface Irrigation, Edmar J. Scaloppi, Gary P. Merkley and Lyman S. Willardson, IR Jan./Feb. 95, p57-70.

Water allocation policy
Modeling Deficit Irrigation in Alfalfa Production, Gokmen Tayfur, Kenneth K. Tanji, Brett House, Frank Robinson, Larry Teuber and Gordon Kruse, IR Nov./Dec. 95, p442-451.
Use of Flood-Control Reservoirs for Drought Management, Tiao J. Chang, Xenia A. Kleopa and Choo B. Teoh, IR Jan./Feb. 95, p34-42.

Water balance
Automatic Irrigation Scheduling System (AISSUM): Principles and Applications, Bhawan Singh, Jean Boivin, Glenn Kirkpatrick and Barry Hum, IR Jan./Feb. 95, p43-56.
Effects of Climatic Change in Wabash River Basin, A. Ramachandra Rao and A. Al-Wagdany, IR Mar./Apr. 95, p207-215.
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, Tammo S. Steenhuis, Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238.

Water conservation
Modeling Deficit Irrigation in Alfalfa Production, Gokmen Tayfur, Kenneth K. Tanji, Brett House, Frank Robinson, Larry Teuber and Gordon Kruse, IR Nov./Dec. 95, p442-451.

Water demand
Evapotranspiration and Irrigation Water Requirements, M. E. Jensen, ed., R. D. Burman, ed. and R. G. Allen, ed., 360pp.

Water distribution
Control Method for On-Demand Operation of Open Channel Flow, José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241.
Simulating Water-Drop Movement from Noncircular Sprinkler Nozzles, Jiusheng Li and Hiroshi Kawano, IR Mar./Apr. 95, p152-158.

Water levels
Downstream Control of Multireach Canal Systems, Fubo Liu, Jean Berlamont and Jan Feyen, IR Mar./Apr. 95, p179-190.

Water management
Irrigation Land Management Model, Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942.

Water quality
Agricultural Drainage and Water Quality in Mississippi Delta, Richard L. Bengtson, Cade E. Carter, James L. Fouss, Lloyd M. Southwick and Guye H. Willis, IR July/Aug. 95, p292-295.
Agricultural Drainage Effects on Water Quality in Southeastern U.S. Daniel L. Thomas, Calvin D. Perry, Robert O. Evans, Forrest T. Izuno, Kenneth C. Stone and J. Wendell Gilliam, IR July/Aug. 95, p277-282.
Controlled Versus Conventional Drainage Effects on Water Quality, Robert O. Evans, R. Wayne Skaggs and J. Wendell Gilliam, IR July/Aug. 95, p271-276.
Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.
Drainage and Water Quality in Northeastern United States and Eastern Canada, W. F. Ritter, R. P. Rudra, P. H. Milburn and S. Prasher, IR July/Aug. 95, p296-301.
Editorial Special Section, IR July/Aug. 95, p269-270.
Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, Virgil L. Backlund, Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291.
Effect of Agricultural Drainage on Water Quality in Mid-Atlantic States, A. Shirmohammadi, R. D. Wenberg, W. F. Ritter and F. S. Wright, IR July/Aug. 95, p302-306.
Subsurface Drainage Water Quality from Structured Soil, Gil Shalit, Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247.

Water resources management
Control Method for On-Demand Operation of Open Channel Flow, José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241.
Water Management under Drought Conditions: Overview of Practices, Darrell G. Fontane and Donald K. Frevert, IR Mar./Apr. 95, p199-206.

Water table
Alfalfa Yield Response to Ground Water after Termination of Irrigation, K. L. Auckly and J. C. Guitjens, IR Sept./Oct. 95, p364-366.
Drainage and Water Quality in Great Lakes and Cornbelt States, Norman R. Fausey, Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288.

Water use
Automatic Irrigation Scheduling System (AISSUM): Principles and Applications, Bhawan Singh, Jean Boivin, Glenn Kirkpatrick and Barry Hum, IR Jan./Feb. 95, p43-56.

Watersheds
Criteria for Evaluation of Watershed Models, ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442.
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, Tammo S. Steenhuis, Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238.

Weather data
Hourly Grass Evapotranspiration in Modified Maritime Environment, Samuel O. Ortega-Farias, Richard H. Cuenca and M. English, IR Nov./Dec. 95, p369-373.

Weather maps
Long-Duration–Rainfall Intensity Equations, David C. Froehlich, IR May/June 95, p248-252.

Weather modification
Assessment of Streamflow Augmentation in Case of Weakly Dependent Data, Arie Ben-Zvi and Margarita Langerman, IR Jan./Feb. 95, p104-108.

Weirs
Alternative Design of Square-Rooting Measuring Device in Open Channel, K. Keshava Murthy and M. N. Shesha Prakash, IR Nov./Dec. 95, p374-377.
Geometrically Simple Logarithmic Weir, K. Keshava Murthy, H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426.
Subcritical Flow Over Rectangular Side Weir, Prabhata K. Swamee, Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217.

Wells
Ground-water Flow into Nonpenetrating Well, Kamala K. Singh, Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21.
Implications of Using Approximate Expressions for Well Function, Rajesh Srivastava, IR Nov./Dec. 95, p459-462.
Pumping-Test Analysis of Wells Having Storage Contribution, Prabhata K. Swamee and Chandra Shekhar P. Ojha, IR May/June 95, p265-267.

AUTHOR INDEX

Abt, Steven R.
Settlement and Submergence Adjustments for Parshall Flume, with C. Bradley Florentin, Ana Genovez and Bryan C. Ruth, IR Sept./Oct. 95, p317-321

Agrawal, Sanjai K.
see Swamee, Prabhata K., IR Jan./Feb. 94, p212-217

Alazba, A. A.
Hydrograph Shape and Border Irrigation Efficiency, with D. D. Fangmeier, IR Nov./Dec. 95, p452-457

Ali, Masoud S.
see Swamee, Prabhata K., IR Jan./Feb. 94, p212-217

Al-Khatib, Issam
see Göğüs, Mustafa, IR Mar./Apr. 95, p135-142

Allen, R. G.
see Jensen, M. E., ed., Evapotranspiration and Irrigation Water Requirements

Al-Wagdany, A.
see Rao, A. Ramachandra, IR Mar./Apr. 95, p207-215

Amatya, D. M.
Comparison of Methods for Estimating REF-ET, with R. W. Skaggs and J. D. Gregory, IR Nov./Dec. 95, p427-435

Anastasiadou-Partheniou, Litsa
General End-Depth–Discharge Relationship at Free Overfall in Trapezoidal Channel, with Evangelos Hatzigiannakis, IR Mar./Apr. 95, p143-151

Anderson, Stephen H.
see Peyton, R. Lee, IR Sept./Oct. 95, p322-326

Arumugam, N.
disc. (of Irrigation Land Management Model, by Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942) with S. Mohan, IR Jan./Feb. 95, p122-123

ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division
Criteria for Evaluation of Watershed Models, IR May/June 93, p429-442
disc: Ben Chie Yen, IR Jan./Feb. 95, p130-131
clo: IR Jan./Feb. 95, p131-132

Atkinson, Edmund
disc. (of Design for Tunnel-Type Sediment Excluder, by U. C. Kothyari, P. K. Pande and A. K. Gahlot, IR Jan./Feb. 94, p36-47), IR Mar./Apr. 95, p226-227

Auckly, K. L.
Alfalfa Yield Response to Ground Water after Termination of Irrigation, with J. C. Guitjens, IR Sept./Oct. 95, p364-366

Austin, T. Al
see Starrett, S. K., IR Nov./Dec. 95, p390-395

Backlund, Virgil L.
Effect of Agricultural Drainage on Water Quality in Humid Portion of Pacific Northwest, with Elwin A. Ross, Patrick H. Willey, Thomas L. Spofford and Dean M. Renner, IR July/Aug. 95, p289-291

Bagarello, V.
Experimental Study on Flow-Resistance Law for Small-Diameter Plastic Pipes, with V. Ferro, G. Provenzano and D. Pumo, IR Sept./Oct. 95, p313-316

Bali, K. M.
see Grismer, M. E., IR Sept./Oct. 95, p354-362

Barua, Gautam
Analytical Solutions of Seepage Into Ditches From Ponded Fields, with K. N. Tiwari, IR Nov./Dec. 95, p396-404

Belcher, Harold W.
see Fausey, Norman R., IR July/Aug. 95, p283-288

Bengtson, Richard L.
Agricultural Drainage and Water Quality in Mississippi Delta, with Cade E. Carter, James L. Fouss, Lloyd M. Southwick and Guye H. Willis, IR July/Aug. 95, p292-295

Ben-Zvi, Arie
Assessment of Streamflow Augmentation in Case of Weakly Dependent Data, with Margarita Langerman, IR Jan./Feb. 95, p104-108

Berlamont, Jean
see Liu, Fubo, IR Mar./Apr. 95, p179-190

Boivin, Jean
see Singh, Bhawan, IR Jan./Feb. 95, p43-56

Boll, Jan
see Shalit, Gil, IR May/June 95, p239-247

Bonet, Luis
see Rodellar, José, IR Mar./Apr. 93, p225-241

Bremond, Bernard
Characterization of Rainfall under Center Pivot: Influence of Measuring Procedure, with Bruno Molle, IR Sept./Oct. 95, p347-353

Brouwer, Robert
see Schuurmans, Wytze, (disc), IR Mar./Apr. 93, p225-241

Brown, Larry C.
see Fausey, Norman R., IR July/Aug. 95, p283-288

Budhu, Muniram
Seepage Erosion from Dam-Regulated Flow: Case of Glen Canyon Dam, with Roger Gobin, IR Jan./Feb. 95, p22-33

Burman, R. D.
see Jensen, M. E., ed., Evapotranspiration and Irrigation Water Requirements

Buysse, Jan
disc. (of Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, by Sandhya Rao and Shashi Mathur, IR Jan./Feb. 94, p89-96) with Roel Merckx, IR Mar./Apr. 95, p227-228

Cahoon, Joel E.
Defining the Furrow Cross Section, IR Jan./Feb. 95, p114-119

Carter, Cade E.
see Bengtson, Richard L., IR July/Aug. 95, p292-295

Chambers, E. P.
Shallow Ground-Water Influence on Salt Budgets for Newlands Project, with J. C. Guitjens, IR Nov./Dec. 95, p436-441

Chang, Tiao J.
Use of Flood-Control Reservoirs for Drought Management, with Xenia A. Kleopa and Choo B. Teoh, IR Jan./Feb. 95, p34-42

Chanson, Hubert
disc. (of Broad-Crested Weir, by Willi H. Hager and Markus Schwalt, IR Jan./Feb. 94, p13-26), IR Mar./Apr. 95, p222-224

Chauhan, H. S.
see Jaiswal, C. S., (disc), IR May/June 94, p504-519

Chin, David A.
Evaluation of Evaporation-Pan Networks, with Sifang Zhao, IR Sept./Oct. 95, p338-346

Christians, N. E.
see Starrett, S. K., IR Nov./Dec. 95, p390-395

Chu, Shu-Tung
see Li, Yiming, IR Nov./Dec. 95, p385-389

Ci, Xu Zhen
see van Bentum, Robert, IR Nov./Dec. 95, p405-410

Coşkun, Feridun
see Yanmaz, A. Melih, IR Nov./Dec. 95, p411-418

Cuenca, Richard H.
see Ortega-Farias, Samuel O., IR Nov./Dec. 95, p369-373

Dasgupta, Shambhu P.
see Singh, Kamala K., IR Jan./Feb. 95, p8-21

Dasika, B.
New Approach to Design of Culverts, IR May/June 95, p261-264
err: IR Sept./Oct. 95, p367

Dusek, Donald A.
see Howell, Terry A., IR Mar./Apr. 95, p191-198

English, M.
see Ortega-Farias, Samuel O., IR Nov./Dec. 95, p369-373

Evans, R. O.
see Munster, C. L., IR Nov./Dec. 95, p378-384

Evans, Robert O.
Controlled Versus Conventional Drainage Effects on Water Quality, with R. Wayne Skaggs and J. Wendell Gilliam, IR July/Aug. 95, p271-276
see Thomas, Daniel L., IR July/Aug. 95, p277-282

Fangmeier, D. D.
see Alazba, A. A., IR Nov./Dec. 95, p452-457

Fausey, Norman R.
Drainage and Water Quality in Great Lakes and Cornbelt States, with Larry C. Brown, Harold W. Belcher and Rameshwar S. Kanwar, IR July/Aug. 95, p283-288

Ferguson, Bruce K.
Storm-Water Infiltration for Peak-Flow Control, IR Nov./Dec. 95, p463-466

Ferro, V.
see Bagarello, V., IR Sept./Oct. 95, p313-316

Feyen, Jan
see Liu, Fubo, IR Mar./Apr. 95, p179-190

Flippin, Syndi J.
Comparison of Results from Alluvial Fan Design Methodology with Historic Data, with Richard H. French, IR Jan./Feb. 94, p195-210
disc: Hjalmar W. Hjalmarson, IR Mar./Apr. 95, p228-229
clo: IR Mar./Apr. 95, p230-231

Florentin, C. Bradley
see Abt, Steven R., IR Sept./Oct. 95, p317-321

Fontane, Darrell G.
Water Management under Drought Conditions: Overview of Practices, with Donald K. Frevert, IR Mar./Apr. 95, p199-206

Fouss, James L.
see Bengtson, Richard L., IR July/Aug. 95, p292-295

French, Richard H.
see Flippin, Syndi J., IR Jan./Feb. 94, p195-210

Frevert, Donald K.
see Fontane, Darrell G., IR Mar./Apr. 95, p199-206

Froehlich, David C.
Long-Duration–Rainfall Intensity Equations, IR May/June 95, p248-252
Short-Duration-Rainfall Intensity Equations for Drainage Design, IR Sept./Oct. 93, p814-828
disc: Clayton L. Hanson, IR Mar./Apr. 95, p219-221
disc: Tommy S. Wong, IR Mar./Apr. 95, p221
clo: IR July/Aug. 95, p310-311

Gahlot, A. K.
see Kothyari, U. C., IR Jan./Feb. 94, p36-47

Gantzer, Clark J.
see Peyton, R. Lee, IR Sept./Oct. 95, p322-326

Garcia, Luis A.
Irrigation-Drainage Design and Management Model: Development, with Henry B. Manguerra and Timothy K. Gates, IR Jan./Feb. 95, p71-82
see Manguerra, Henry B., IR Jan./Feb. 95, p83-94

Gates, Timothy K.
see Garcia, Luis A., IR Jan./Feb. 95, p71-82

Genovez, Ana
see Abt, Steven R., IR Sept./Oct. 95, p317-321

Geohring, Larry D.
see Shalit, Gil, IR May/June 95, p239-247

Gilliam, J. W.
see Munster, C. L., IR Nov./Dec. 95, p378-384

Gilliam, J. Wendell
see Evans, Robert O., IR July/Aug. 95, p271-276
see Thomas, Daniel L., IR July/Aug. 95, p277-282

Gobin, Roger
see Budhu, Muniram, IR Jan./Feb. 95, p22-33

Göğüs, Mustafa
Flow-Measurement Flumes of Rectangular Compound Cross Section, with Issam Al-Khatib, IR Mar./Apr. 95, p135-142

Gómez, Manuel
see Rodellar, José, IR Mar./Apr. 93, p225-241

Gregory, J. D.
see Amatya, D. M., IR Nov./Dec. 95, p427-435

Grismer, M. E.
Field-Scale Neutron Probe Calibration and Variance Analysis for Clay Soil, with K. M. Bali and F. E. Robinson, IR Sept./Oct. 95, p354-362

Grismer, Mark E.
see Lyons, T. Clark, (disc), IR Nov./Dec. 92, p928-942

Guitjens, J. C.
see Auckly, K. L., IR Sept./Oct. 95, p364-366
see Chambers, E. P., IR Nov./Dec. 95, p436-441

Gupta, R. D.
Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), with M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224
disc: Willi H. Hager, IR Jan./Feb. 95, p127-128
disc: Stefano Pagliara and Carlo Viti, IR Jan./Feb. 95, p128-130

Hager, Willi H.
Broad-Crested Weir, with Markus Schwalt, IR Jan./Feb. 94, p13-26
disc: Hubert Chanson, IR Mar./Apr. 95, p222-224
clo: IR Mar./Apr. 95, p224-226

Hager, Willi H.
disc. (of Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), by R. D. Gupta, M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224), IR Jan./Feb. 95, p127-128

Hakvoort, Hans M.
see Shalit, Gil, IR May/June 95, p239-247

Hameed, Tahir
Evapotranspiration Transfer-Function-Noise Modeling, with Miguel A. Mariño and Robert H. Shumway, IR Mar./Apr. 95, p159-169

Hanson, Clayton L.
disc. (of Short-Duration-Rainfall Intensity Equations for Drainage Design, by David C. Froehlich, IR Sept./Oct. 93, p814-828), IR Mar./Apr. 95, p219-221

Harmsen, E. W.
see Munster, C. L., IR Nov./Dec. 95, p378-384

Hatzigiannakis, Evangelos
see Anastasiadou-Partheniou, Litsa, IR Mar./Apr. 95, p143-151

Hawkins, Richard H.
see Stone, Jeffry J., IR Jan./Feb. 94, p128-137

Hjalmarson, Hjalmar W.
disc. (of Comparison of Results from Alluvial Fan Design Methodology with Historic Data, by Syndi J. Flippin and Richard H. French, IR Jan./Feb. 94, p195-210), IR Mar./Apr. 95, p228-229

House, Brett
see Tayfur, Gokmen, IR Nov./Dec. 95, p442-451

Howell, Terry A.
Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, with Donald A. Dusek, IR Mar./Apr. 95, p191-198

Hum, Barry
see Singh, Bhawan, IR Jan./Feb. 95, p43-56

Izuno, Forrest T.
see Thomas, Daniel L., IR July/Aug. 95, p277-282

Jaiswal, C. S.
disc. (of Using Cavity Well to Determine Aquifer Thickness and Constants, by Mohammad Saleem, IR May/June 94, p504-519) with H. S. Chauhan, IR July/Aug. 95, p311-312

Jamil, M.
see Gupta, R. D., IR Mar./Apr. 93, p215-224

Jensen, M. E.
Evapotranspiration and Irrigation Water Requirements, with R. D. Burman, ed. and R. G. Allen, ed., 360pp.
err: IR Jan./Feb. 95, p133-134

Kanwar, Rameshwar S.
see Fausey, Norman R., IR July/Aug. 95, p283-288

Kawano, Hiroshi
see Li, Jiusheng, IR Mar./Apr. 95, p152-158

Keller, Andrew A.
see Steiner, Roy A., IR Nov./Dec. 92, p928-942

Kirkpatrick, Glenn
see Singh, Bhawan, IR Jan./Feb. 95, p43-56

Kleopa, Xenia A.
see Chang, Tiao J., IR Jan./Feb. 95, p34-42

Kothyari, U. C.
Design for Tunnel-Type Sediment Excluder, with P. K. Pande and A. K. Gahlot, IR Jan./Feb. 94, p36-47
disc: Edmund Atkinson, IR Mar./Apr. 95, p226-227
clo: IR Mar./Apr. 95, p227

Kruse, Gordon
see Tayfur, Gokmen, IR Nov./Dec. 95, p442-451

Langerman, Margarita
see Ben-Zvi, Arie, IR Jan./Feb. 95, p104-108

Li, Jiusheng
Simulating Water-Drop Movement from Noncircular Sprinkler Nozzles, with Hiroshi Kawano, IR Mar./Apr. 95, p152-158

Li, Yiming
Field Evaluation of Aquifer-Recharge Model, with Shu-Tung Chu, IR Nov./Dec. 95, p385-389

Liu, Fubo
Downstream Control of Multireach Canal Systems, with Jean Berlamont and Jan Feyen, IR Mar./Apr. 95, p179-190

Lockington, D. A.
see Stankovich, J. M., IR Jan./Feb. 95, p1-7

Lyons, T. Clark
disc. (of Irrigation Land Management Model, by Roy A. Steiner and Andrew A. Keller, IR Nov./Dec. 92, p928-942) with Mark E. Grismer, IR Jan./Feb. 95, p123-127

Mahesha, A.
Effect of Surface Source Variation on Seawater Intrusion in Aquifers, with S. H. Nagaraja, IR Jan./Feb. 95, p109-113

Manguerra, Henry B.
Irrigation-Drainage Design and Management Model: Validation and Application, with Luis A. Garcia, IR Jan./Feb. 95, p83-94
see Garcia, Luis A., IR Jan./Feb. 95, p71-82

Mariño, Miguel A.
see Hameed, Tahir, IR Mar./Apr. 95, p159-169

Mathur, Shashi
see Rao, Sandhya, IR Jan./Feb. 94, p89-96

McEnroe, Bruce M.
disc. (of Subcritical Flow Over Rectangular Side Weir, by Prabhata K. Swamee, Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217), IR July/Aug. 95, p309

Merckx, Roel
see Buysse, Jan, (disc), IR Jan./Feb. 94, p89-96

Merkley, Gary P.
see Scaloppi, Edmar J., IR Jan./Feb. 95, p57-70

Michel, Thomas G.
see Parker, David B., IR Mar./Apr. 95, p170-178

Milburn, P. H.
see Ritter, W. F., IR July/Aug. 95, p296-301

Mishra, Akhilesh P.
see Singh, Kamala K., IR Jan./Feb. 95, p8-21

Mohan, Mukesh
see Swamee, Prabhata K., IR Jan./Feb. 94, p212-217

Mohan, S.
see Arumugam, N., (disc), IR Nov./Dec. 92, p928-942

Mohsin, M.
see Gupta, R. D., IR Mar./Apr. 93, p215-224

Molle, Bruno
see Bremond, Bernard, IR Sept./Oct. 95, p347-353

Monadjemi, Parviz
General Formulation of Best Hydraulic Channel Section, IR Jan./Feb. 94, p27-35
disc: Prabhata K. Swamee, IR Mar./Apr. 95, p222

Munster, C. L.
Aldicarb Transport in Drained Coastal Plain Soil, with R. W. Skaggs, J. E. Parsons, R. O. Evans, J. W. Gilliam and E. W. Harmsen, IR Nov./Dec. 95, p378-384

Murthy, K. Keshava
Alternative Design of Square-Rooting Measuring Device in Open Channel, with M. N. Shesha Prakash, IR Nov./Dec. 95, p374-377
Geometrically Simple Logarithmic Weir, with H. S. Ramesh and M. N. Shesha Prakash, IR Nov./Dec. 95, p419-426

Nachabe, Mahmood H.
Estimating Hydraulic Conductivity for Models of Soils with Macropores, IR Jan./Feb. 95, p95-102

Nagaraja, S. H.
see Mahesha, A., IR Jan./Feb. 95, p109-113

Ojha, Chandra Shekhar P.
see Swamee, Prabhata K., IR May/June 95, p265-267

Ojha, Triveni P.
see Singh, Kamala K., IR Jan./Feb. 95, p8-21

Ortega-Farias, Samuel O.
Hourly Grass Evapotranspiration in Modified Maritime Environment, with Richard H. Cuenca and M. English, IR Nov./Dec. 95, p369-373

Pagliara, Stefano
disc. (of Discharge Prediction in Smooth Trapezoidal Free Overfall-(Positive, Zero and Negative Slopes), by R. D. Gupta, M. Jamil and M. Mohsin, IR Mar./Apr. 93, p215-224) with Carlo Viti, IR Jan./Feb. 95, p128-130

Pande, P. K.
see Kothyari, U. C., IR Jan./Feb. 94, p36-47

Parker, David B.
Compaction and Water Velocity Effects on Soil Erosion in Shallow Flow, with Thomas G. Michel and James L. Smith, IR Mar./Apr. 95, p170-178

Parsons, J. E.
see Munster, C. L., IR Nov./Dec. 95, p378-384

Pathak, Santosh K.
see Swamee, Prabhata K., IR Jan./Feb. 94, p212-217

Perry, Calvin D.
see Thomas, Daniel L., IR July/Aug. 95, p277-282

Peyton, R. Lee
Termiticide Leachate from Building Foundation Drains, with Stephen H. Anderson and Clark J. Gantzer, IR Sept./Oct. 95, p322-326

Prakash, M. N. Shesha
see Murthy, K. Keshava, IR Nov./Dec. 95, p374-377
see Murthy, K. Keshava, IR Nov./Dec. 95, p419-426

Prasher, S.
see Ritter, W. F., IR July/Aug. 95, p296-301

Provenzano, G.
see Bagarello, V., IR Sept./Oct. 95, p313-316

Pumo, D.
see Bagarello, V., IR Sept./Oct. 95, p313-316

Ramesh, H. S.
see Murthy, K. Keshava, IR Nov./Dec. 95, p419-426

Rao, A. Ramachandra
Effects of Climatic Change in Wabash River Basin, with A. Al-Wagdany, IR Mar./Apr. 95, p207-215

Rao, Sandhya
Modeling Heavy Metal (Cadmium) Uptake by Soil-Plant Root System, with Shashi Mathur, IR Jan./Feb. 94, p89-96
disc: Jan Buysse and Roel Merckx, IR Mar./Apr. 95, p227-228

Renner, Dean M.
see Backlund, Virgil L., IR July/Aug. 95, p289-291

Ritter, W. F.
Drainage and Water Quality in Northeastern United States and Eastern Canada, with R. P. Rudra, P. H. Milburn and S. Prasher, IR July/Aug. 95, p296-301
see Shirmohammadi, A., IR July/Aug. 95, p302-306

Robinson, F. E.
see Grismer, M. E., IR Sept./Oct. 95, p354-362

Robinson, Frank
see Tayfur, Gokmen, IR Nov./Dec. 95, p442-451

Rodellar, José
Control Method for On-Demand Operation of Open Channel Flow, with Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241
disc: Wytze Schuurmans, Jan Schuurmans and Robert Brouwer, IR July/Aug. 95, p308
clo: IR July/Aug. 95, p308-309

Ross, Elwin A.
see Backlund, Virgil L., IR July/Aug. 95, p289-291

Rossing, Jane
see Steenhuis, Tammo S., IR May/June 95, p234-238

Rudra, R. P.
see Ritter, W. F., IR July/Aug. 95, p296-301

Ruth, Bryan C.
see Abt, Steven R., IR Sept./Oct. 95, p317-321

Saleem, Mohammad
Using Cavity Well to Determine Aquifer Thickness and Constants, IR May/June 94, p504-519
disc: C. S. Jaiswal and H. S. Chauhan, IR July/Aug. 95, p311-312

Savabi, M. R.
Modeling Subsurface Drainage and Surface Runoff with WEPP, IR Sept./Oct. 93, p801-813
disc: Reynold J. Stone, IR Mar./Apr. 95, p217-218
clo: IR Mar./Apr. 95, p218-219

Scaloppi, Edmar J.
Intake Parameters From Advance and Wetting Phases of Surface Irrigation, with Gary P. Merkley and Lyman S. Willardson, IR Jan./Feb. 95, p57-70

Schuurmans, Jan
see Schuurmans, Wytze, (disc), IR Mar./Apr. 93, p225-241

Schuurmans, Wytze
disc. (of Control Method for On-Demand Operation of Open Channel Flow, by José Rodellar, Manuel Gómez and Luis Bonet, IR Mar./Apr. 93, p225-241) with Jan Schuurmans and Robert Brouwer, IR July/Aug. 95, p308

Schwalt, Markus
see Hager, Willi H., IR Jan./Feb. 94, p13-26

Shalaby, Ahlam I.
Sensitivity to Probable Maximum Flood, IR Sept./Oct. 95, p327-337

Shalit, Gil
Subsurface Drainage Water Quality from Structured Soil, with Tammo S. Steenhuis, Hans M. Hakvoort, Jan Boll, Larry D. Geohring and Harold M. van Es, IR May/June 95, p239-247

Shirley, Edward D.
see Stone, Jeffry J., IR Jan./Feb. 94, p128-137

Shirmohammadi, A.
Effect of Agricultural Drainage on Water Quality in Mid-Atlantic States, with R. D. Wenberg, W. F. Ritter and F. S. Wright, IR July/Aug. 95, p302-306

Shumway, Robert H.
see Hameed, Tahir, IR Mar./Apr. 95, p159-169

Singh, Bhawan
Automatic Irrigation Scheduling System (AISSUM): Principles and Applications, with Jean Boivin, Glenn Kirkpatrick and Barry Hum, IR Jan./Feb. 95, p43-56

Singh, Kamala K.
Ground-water Flow into Nonpenetrating Well, with Shambhu P. Dasgupta, Akhilesh P. Mishra and Triveni P. Ojha, IR Jan./Feb. 95, p8-21

Skaggs, R. W.
see Amatya, D. M., IR Nov./Dec. 95, p427-433
see Munster, C. L., IR Nov./Dec. 95, p378-384

Skaggs, R. Wayne
see Evans, Robert O., IR July/Aug. 95, p271-276

Smith, James L.
see Parker, David B., IR Mar./Apr. 95, p170-178

Smout, Ian K.
see van Bentum, Robert, IR Nov./Dec. 95, p405-410

Southwick, Lloyd M.
see Bengtson, Richard L., IR July/Aug. 95, p292-295

Spofford, Thomas L.
see Backlund, Virgil L., IR July/Aug. 95, p289-291

Srivastava, Rajesh
Implications of Using Approximate Expressions for Well Function, IR Nov./Dec. 95, p459-462

Stankovich, J. M.
Brooks-Corey and van Genuchten Soil-Water-Retention Models, with D. A. Lockington, IR Jan./Feb. 95, p1-7

Starrett, S. K.
Fate of Nitrogen Applied to Turfgrass-Covered Soil Columns, with N. E. Christians and T. Al Austin, IR Nov./Dec. 95, p390-395

Steenhuis, Tammo S.
SCS Runoff Equation Revisited for Variable-Source Runoff Areas, with Michael Winchell, Jane Rossing, James A. Zollweg and Michael F. Walter, IR May/June 95, p234-238
see Shalit, Gil, IR May/June 95, p239-247

Steiner, Roy A.
Irrigation Land Management Model, with Andrew A. Keller, IR Nov./Dec. 92, p928-942
disc: N. Arumugam and S. Mohan, IR Jan./Feb. 95, p122-123
disc: T. Clark Lyons and Mark E. Grjsmer, IR Jan./Feb. 95, p123-127

Stone, Jeffry J.
Approximate Form of Green-Ampt Infiltration Equation, with Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137
disc: Tim J. Ward, IR July/Aug. 95, p311

Stone, Kenneth C.
see Thomas, Daniel L., IR July/Aug. 95, p277-282

Stone, Reynold J.
disc. (of Modeling Subsurface Drainage and Surface Runoff with WEPP, by M. R. Savabi, IR Sept./Oct. 93, p801-813), IR Mar./Apr. 95, p217-218

Swamee, Prabhata K.
Optimal Irrigation Canal Sections, IR Nov./Dec. 95, p467-469
Pumping-Test Analysis of Wells Having Storage Contribution, with Chandra Shekhar P. Ojha, IR May/June 95, p265-267
Subcritical Flow Over Rectangular Side Weir, with Santosh K. Pathak, Mukesh Mohan, Sanjai K. Agrawal and Masoud S. Ali, IR Jan./Feb. 94, p212-217
disc: Bruce M. McEnroe, IR July/Aug. 95, p309
clo: IR July/Aug. 95, p309-310
disc. (of General Formulation of Best Hydraulic Channel Section, by Parviz Monadjemi, IR Jan./Feb. 94, p27-35), IR Mar./Apr. 95, p222

Tanji, Kenneth K.
see Tayfur, Gokmen, IR Nov./Dec. 95, p442-451

Tayfur, Gokmen
Modeling Deficit Irrigation in Alfalfa Production, with Kenneth K. Tanji, Brett House, Frank Robinson, Larry Teuber and Gordon Kruse, IR Nov./Dec. 95, p442-451

Teoh, Choo B.
see Chang, Tiao J., IR Jan./Feb. 95, p34-42

Teuber, Larry
see Tayfur, Gokmen, IR Nov./Dec. 95, p442-451

Thomas, Daniel L.
Agricultural Drainage Effects on Water Quality in Southeastern U.S., with Calvin D. Perry, Robert O. Evans, Forrest T. Izuno, Kenneth C. Stone and J. Wendell Gilliam, IR July/Aug. 95, p277-282

Tiwari, K. N.
see Barua, Gautam, IR Nov./Dec. 95, p396-404

Tung, Yeou-Koung
see Zhao, Bing, IR May/June 95, p253-259

van Bentum, Robert
Use of Pipelines to Improve Surface Irrigation in Hebei Province, China, with Ian K. Smout and Xu Zhen Ci, IR Nov./Dec. 95, p405-410

van Es, Harold M.
see Shalit, Gil, IR May/June 95, p239-247

Viti, Carlo
see Pagliara, Stefano, (disc), IR Mar./Apr. 93, p215-224

Walter, Michael F.
see Steenhuis, Tammo S., IR May/June 95, p234-238

Ward, Tim J.
disc. (of Approximate Form of Green-Ampt Infiltration Equation, by Jeffry J. Stone, Richard H. Hawkins and Edward D. Shirley, IR Jan./Feb. 94, p128-137), IR July/Aug. 95, p311

Wenberg, R. D.
see Shirmohammadi, A., IR July/Aug. 95, p302-306

Willardson, Lyman S.
see Scaloppi, Edmar J., IR Jan./Feb. 95, p57-70

Willey, Patrick H.
see Backlund, Virgil L., IR July/Aug. 95, p289-291

Willis, Guye H.
see Bengtson, Richard L., IR July/Aug. 95, p292-295

Winchell, Michael
see Steenhuis, Tammo S., IR May/June 95, p234-238

Wong, Tommy S.
disc. (of Short-Duration-Rainfall Intensity Equations for Drainage Design, by David C. Froehlich, IR Sept./Oct. 93, p814-828), IR Mar./Apr. 95, p221

Wright, F. S.
see Shirmohammadi, A., IR July/Aug. 95, p302-306

Yang, Jinn-Chuang
see Zhao, Bing, IR May/June 95, p253-259

Yanmaz, A. Melih
Hydrological Aspects of Bridge Design: Case Study, with Feridun Coşkun, IR Nov./Dec. 95, p411-418

Yen, Ben Chie
disc. (of Criteria for Evaluation of Watershed Models, by ASCE Task Committee on Definition of Criteria for Evaluation of Watershed Models of the Watershed Management Committee, Irrigation and Drainage Division, IR May/June 93, p429-442), IR Jan./Feb. 95, p130-131

Zhao, Bing
Estimation of Unit Hydrograph by Ridge Least-Squares Method, with Yeou-Koung Tung and Jinn-Chuang Yang, IR May/June 95, p253-259

Zhao, Sifang
see Chin, David A., IR Sept./Oct. 95, p338-346

Zollweg, James A.
see Steenhuis, Tammo S., IR May/June 95, p234-238